

JFW



PATENT
Attorney Docket No.: SAM-0313CIP
Customer No.: 29344

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kyoung-woo Lee, *et al.*
Serial No.: 10/625,007
Filing Date: July 23, 2003
Title: METHOD OF FABRICATING DUAL DAMASCENE INTERCONNECTIONS OF MICROELECTRONIC DEVICE USING HYBRID LOW K-DIELECTRIC AND CARBON-FREE INORGANIC FILLER

Examiner: Nguyen, Ha T.
Group Art Unit: 2812

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

6/24/05
Date


Chelsey Davis

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:

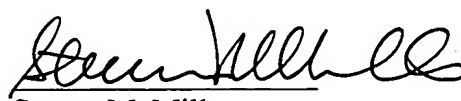
Enclosed herewith for filing in the above-identified patent application please find the following listed items:

1. Supplemental Information Disclosure Statement;
2. Form PTO-1449 and copies of cited references BK and CA-CF; and
3. Return Postcard.

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

Date: 6/24/05
Mills & Onello, LLP
Eleven Beacon Street, Suite 605
Boston, Massachusetts 02108
Telephone: (617) 994-4900
Facsimile: (617) 742-7774
J:\SAM\0313CIP\supplDS-4\transsupplDS.wpd


Steven M. Mills
Registration Number 36,610
Attorney for Applicants



PATENT

Attorney Docket No.: SAM-0313CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kyoung-woo Lee, *et al.*

Examiner: Nguyen, N. T.

Serial No.: 10/625,007

Group Art Unit: 2812

Filing Date: July 23, 2003

Title: METHOD OF FABRICATING DUAL DAMASCENE INTERCONNECTIONS
OF MICROELECTRONIC DEVICE USING HYBRID LOW K-DIELECTRIC
AND CARBON-FREE INORGANIC FILLER

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

6/24/05

Date

Chelsey Davis

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)
- ☐ under 37 CFR 1.97(b), or
(Within three months of filing national application other than a CPA under §1.53(d); or within three months of date of entry of the national stage in international application; or before mailing date of first Office Action on the merits; or before mailing date of first Office Action after filing RCE under §1.114, whichever occurs last)
- ☒ under 37 CFR 1.97(c) together with either:
- ☒ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ the \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, or other action which closes prosecution, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ the \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Applicant(s): Kyoung-woo Lee, *et al.*

Serial No.: 10/625,007

Statement Under 37 C.F.R. 1.97(e)

- ☒ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of cited references are enclosed.
- ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Serial No. _____, and references that are not required to be submitted under 37 CFR 1.98.
- ☐ The listed references were cited in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

- ☐ The "concise explanation" requirement under 36 CFR 1.98(a)(3)(i) for reference XX is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ abstract.

It is requested the information disclosed herein be made of record in this application.

Applicant(s): Kyoung-woo Lee, *et al.*


Serial No.: 10/625,007

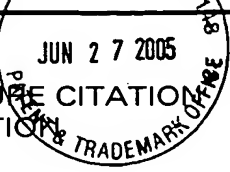
Method of payment:

- ☐ Enclosed is a check in the amount of _____.
- ☐ Please charge Deposit Account of 50-1798 in the amount of _____.
- ☐ Two duplicate copies of this Statement are enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account No. 50-1798.

Respectfully submitted,

Date: 6/24/05
Mills & Onello, LLP
Eleven Beacon Street, Suite 605
Boston, Massachusetts 02108
Telephone: (617) 994-4900
Facsimile: (617) 742-7774
J:\SAM\0313CIP\suppIDS-4\suppIDSform.wpd


Steven M. Mills
Registration Number 36,610
Attorney for Applicants

Subst. Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Sheet 1 of 2				
				Docket Number (Optional) SAM-0313CIP				
				Application Number 10/625,007				
				Applicant Kyoung-woo Lee, et al.				
				Filing Date 07/23/03	Group Art Unit 2812			
U. S. Patent Documents								
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	BA							
	BB							
	BC							
	BD							
	BE							
	BF							
	BG							
	BH							
	BI							
	BJ							
	BK	5,364,813	11/15/94	Koh	437	52	09/01/93	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
	BL							
	BM							
	BN							
	BO							
	BP							
	BQ							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	BR							
	BS							
	BT							
EXAMINER					DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.								

Subst. Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)

SAM-0313CIP

Application Number

10/625,007

Applicant

Kyoung-woo Lee, *et al.*

Filing Date

07/23/03

Group Art Unit

2812

U. S. Patent Documents

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA	6,030,901	02/29/00	Hopper, <i>et al.</i>	438	711	06/24/99
	CB	6,168,726	01/02/01	Li, <i>et al.</i>	216	79	11/25/98
	CC	6,211,068	04/03/01	Huang	438	634	05/25/99
	CD	2001/0027002	10/04/01	Matsumoto	438	584	02/15/01
	CE	6,348,736	02/19/02	McGahay, <i>et al.</i>	257	774	10/29/99
	CF	6,362,109	03/26/02	Kim, <i>et al.</i>	438	706	06/02/00
	CG						
	CH						
	CI						
	CJ						
	CK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	CL							
	CM							
	CN							
	CO							
	CP							
	CQ							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	CR	
	CS	
	CT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.